

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHOD FOR IMPROVED DATA TRANSMISSION SPEED BY FIXING THE LOWER CORNER FREQUENCY AT A FREQUENCY ABOVE VOICE BAND IN A SYMMETRIC DSL TRANSMISSION SYSTEM

the specification of which: ☒ is attached hereto.
☐ was filed on: _____
as Application No.: _____
and was amended on: _____ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

And I hereby authorize and request our agents, Hunton & Williams, whose address is set forth below, to insert above, the filing date and application number of said application when known.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application Number	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed	
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>

Prior Provisional Application(s)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing (day, month, year)
60/268,015	13, February, 2001

Prior United States Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned

And I hereby appoint, both jointly and severally, as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys, their registration numbers being listed after their names:

Stanislaus Aksman, Reg. No. 28,562; Jennifer A. Albert, Reg. No. 32,012; Thomas E. Anderson, Reg. No. 37,063; David E. Baker, Reg. No. 42,285; Scott D. Balderston, Reg. No. 35,436; Carl L. Benson, Reg. No. 38,378; J. Robert Brown, Jr., Reg. No. 45,438; Brian M. Buroker, Reg. No. 39,125; Christopher C. Campbell, Reg. No. 37,291; Katherine S. Chang, Reg. No. 40,554; Robin C. Clark, Reg. No. 40,956; Patrick A. Doody, Reg. No. 35,022; Kevin T. Duncan, Reg. No. 41,495; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; Charles F. Hollis, III, Reg. No. 40,650; Nancy J. Jensen, Reg. No. 45,913; Herbert V. Kerner, Reg. No. 42,721; Jonathan D. Link, Reg. No. 41,548; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Kerry H. Owens, Reg.

No. 37,412; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Stuart I. Smith, Reg. No. 42,159; Yisun Song, Reg. No. 44,487; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.

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CUSTOMER NUMBER

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corresponding to the law firm of Hunton & Williams; Intellectual Property Department; 1900 K Street, N.W.; Suite 1200; Washington, DC 20006-1109; telephone number (202) 955-1500; facsimile number (202) 778-2201, which is also the address, telephone and facsimile numbers of each of the above listed attorneys.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature

Date

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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Year	Total		Male		Female	
	No.	%	No.	%	No.	%
1960	1,000	100.0	500	50.0	500	50.0
1961	1,000	100.0	500	50.0	500	50.0
1962	1,000	100.0	500	50.0	500	50.0
1963	1,000	100.0	500	50.0	500	50.0
1964	1,000	100.0	500	50.0	500	50.0
1965	1,000	100.0	500	50.0	500	50.0
1966	1,000	100.0	500	50.0	500	50.0
1967	1,000	100.0	500	50.0	500	50.0
1968	1,000	100.0	500	50.0	500	50.0
1969	1,000	100.0	500	50.0	500	50.0
1970	1,000	100.0	500	50.0	500	50.0
1971	1,000	100.0	500	50.0	500	50.0
1972	1,000	100.0	500	50.0	500	50.0
1973	1,000	100.0	500	50.0	500	50.0
1974	1,000	100.0	500	50.0	500	50.0
1975	1,000	100.0	500	50.0	500	50.0
1976	1,000	100.0	500	50.0	500	50.0
1977	1,000	100.0	500	50.0	500	50.0
1978	1,000	100.0	500	50.0	500	50.0
1979	1,000	100.0	500	50.0	500	50.0
1980	1,000	100.0	500	50.0	500	50.0
1981	1,000	100.0	500	50.0	500	50.0
1982	1,000	100.0	500	50.0	500	50.0
1983	1,000	100.0	500	50.0	500	50.0
1984	1,000	100.0	500	50.0	500	50.0
1985	1,000	100.0	500	50.0	500	50.0
1986	1,000	100.0	500	50.0	500	50.0
1987	1,000	100.0	500	50.0	500	50.0
1988	1,000	100.0	500	50.0	500	50.0
1989	1,000	100.0	500	50.0	500	50.0
1990	1,000	100.0	500	50.0	500	50.0
1991	1,000	100.0	500	50.0	500	50.0
1992	1,000	100.0	500	50.0	500	50.0
1993	1,000	100.0	500	50.0	500	50.0
1994	1,000	100.0	500	50.0	500	50.0
1995	1,000	100.0	500	50.0	500	50.0
1996	1,000	100.0	500	50.0	500	50.0
1997	1,000	100.0	500	50.0	500	50.0
1998	1,000	100.0	500	50.0	500	50.0
1999	1,000	100.0	500	50.0	500	50.0
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2001	1,000	100.0	500	50.0	500	50.0
2002	1,000	100.0	500	50.0	500	50.0
2003	1,000	100.0	500	50.0	500	50.0
2004	1,000	100.0	500	50.0	500	50.0
2005	1,000	100.0	500	50.0	500	50.0
2006	1,000	100.0	500	50.0	500	50.0
2007	1,000	100.0	500	50.0	500	50.0
2008	1,000	100.0	500	50.0	500	50.0
2009	1,000	100.0	500	50.0	500	50.0
2010	1,000	100.0	500	50.0	500	50.0
2011	1,000	100.0	500	50.0	500	